M.Sc NON-MEDICAL DEGREE EXAMINATION
FIRST YEAR
(New Regulation)
BRANCH II - BIOSTATISTICS
PAPER II – EPIDEMIOLOGY AND DESIGN OF EXPERIMENTS

Q.P. Code : 282862

Time : Three hours   **Maximum : 100 marks**

I. Elaborate on :   **(2 x 20 = 40)**

   1. Explain in detail various study design.

   2. Explain the analysis of Split Plot Design in detail.

II. Write notes on :   **(10 x 6 = 60)**

   1. Define Agent, host, Mode of transmission, Incubation, Incubation period
      and spectrum disease.

   2. What are the various measures of morbidity and mortality

   3. Explain reliability and validity with example

   4. Explain ROC curve

   5. What are the basic concept of human genetics?

   6. How is path analysis applied to Quantitative traits?

   7. Explain the principles of experimental design

   8. What do you mean by single and double blind trial?

   9. Write a detailed notes on cross over design with example

   10. Write down the analysis of LSD

****